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NOTICE OF ALLOWANCE AND FEE(S) DUE

QUALCOMM INCORPORATED 5775 MOREHOUSE DR. SAN DIEGO, CA 92121 EXAMINER
SMITH, MARCUS

ART UNIT PAPER NUMBER

2467

DATE MAILED: 09/06/2011

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/693,419	10/23/2003	J. Rodney Walton	020554	2594	

TITLE OF INVENTION: MIMO WLAN SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/06/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED.</u> SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

appropriate. All further indicated unless correcte maintenance fee notificat	ed below or directed oth	or trans ig the P ierwise	amitting the 1880 atent, advance or in Block 1, by (a	ders and notification specifying a new co	of m	aintenance fees woondence address;	rea). B rill be a and/or	mailed to the current of (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
	7590 09/06		ny change of address)		Fee(s	s) Transmittal. This	s certif l paper.	icate cannot be used for	domestic mailings of the or any other accompanying at or formal drawing, must
QUALCOMM 5775 MOREHO SAN DIEGO, CA			I here State addre trans	aby cortify that thi	c Eagle	of Mailing or Transn 3) Transmittal is being ficient postage for first ISSUE FEE address 1) 273-2885, on the data	nission deposited with the United t class mail in an envelope above, or being facsimile te indicated below.		
									(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/693,419	10/23/2003			J. Rodney Walton	ì			020554	2594
ITTLE OF INVENTION					T				
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nonprovisional	NO		\$1510	\$300		\$0	\$1810		12/06/2011
EXAM	INER	4	ART UNIT	CLASS-SUBCLASS	3				
SMITH, M	MARCUS		2467	370-328000					
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME AL PLEASE NOTE: Unl	ondence address (or Cha 3/122) attached. ication (or "Fee Address' 2 or more recent) attached ND RESIDENCE DATA ess an assignee is identian in 37 CFR 3.11. Comp	nge of C " Indicated. Use A TO BI	Correspondence tion form of a Customer E PRINTED ON Tolow, no assignee	data will appear on th	single or ag attornal be propertype type an a	ely, firm (having as a gent) and the name neys or agents. If i rinted. e) tent. If an assigne ssignment.	members of up no nam	er a 2ee is 3eentified below, the do	cument has been filed for
Please check the appropri	ate assignee category or	categor	, ,						up entity Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies				#b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).					
a. Applicant claims	t us (from status indicated s SMALL ENTITY statu	ıs. See 3	37 CFR 1.27.	☐ b. Applicant is no	long	er claiming SMAL	L ENT	TITY status. See 37 CF	R 1.27(g)(2).
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if requeecords of the United Sta	uired) w tes Pate	rill not be accepted nt and Trademark	from anyone other the Office.	nan th	e applicant; a regis	stered a	attorney or agent; or the	e assignee or other party in
Authorized Signature						Date			
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This collection of information application. Confident submitting the completed this form and/or suggesti	ation is required by 37 C iality is governed by 35 I application form to the ons for reducing this bu	FR 1.31 U.S.C. USPTO rden, sho	11. The information 122 and 37 CFR D. Time will vary ould be sent to the	on is required to obtain 1.14. This collection i depending upon the i c Chief Information O	or re s esti indivi	etain a benefit by the mated to take 12 nd dual case. Any con- ty, U.S. Patent and	ne publ ninutes mment Traden	ic which is to file (and to complete, including s on the amount of tim nark Office, U.S. Depa	by the USPTO to process) g gathering, preparing, and he you require to complete rtment of Commerce, P.O.

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10/693,419	10/693,419 10/23/2003 J. Rodney Walton		020554	2594
23696 75	90 09/06/2011	EXAMINER		
•	NCORPORATED	SMITH, MARCUS		
5775 MOREHOUS SAN DIEGO, CA 9			ART UNIT	PAPER NUMBER
			2467	

DATE MAILED: 09/06/2011

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1081 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1081 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
- 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

	Application No.	Applicant(s)	
Notice of Allowability	10/693,419 Examiner	WALTON ET AL. Art Unit	
•			
	MARCUS SMITH	2467	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr IGHTS. This application is	in this application. If not included nunication will be mailed in due cours	
1. \square This communication is responsive to <u>RCE and IDS filed 7/1</u>	<u>5/11</u> .		
 An election was made by the applicant in response to a resi requirement and election have been incorporated into this 		h during the interview on; the	restriction
3. 🛮 The allowed claim(s) is/are <u>116-119, 121-124, 225-227, 22</u>	9-236, 228, 237-247 (resp.	renumbered as claims 1-30).	
4. ☐ Acknowledgment is made of a claim for foreign priority under a) ☐ All b) ☐ Some* c) ☐ None of the:		r (f).	
 Certified copies of the priority documents have Certified copies of the priority documents have 		ion No	
3. ☐ Copies of the certified copies of the priority do	• •		om the
International Bureau (PCT Rule 17.2(a)).	odinonio navo boon rocciv	od III ililo Hallottal olago application il	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requiren	nents
5. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give			∃ OF
6. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.		
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Revi	ew (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	•		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t) of
 DEPOSIT OF and/or INFORMATION about the deposit of E attached Examiner's comment regarding REQUIREMENT FO 			
Attachment(s)	5 		
1. Notice of References Cited (PTO-892)		nformal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413), ./Mail Date	
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date		s Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	8. 🗌 Examiner	s Statement of Reasons for Allowand	;e
of Biological Material	9. 🔲 Other	<u>_</u> .	
	/HASSAN PI	HILLIPS/	
	Supervisory P	atent Examiner, Art Unit 2467	